Glencoe/McGraw-Hill

Core-Plus Mathematics: Contemporary Mathematics In Context, Course 1

Core-Plus Mathematics, is a standards-based, four-year integrated series covering the same mathematics concepts students learn in the Algebra 1-Geometry-Algebra 2-Precalculus sequence. Concepts from algebra, geometry, probability, and statistics are integrated, and the mathematics is developed using context-centered investigations. Developed by the CORE-Plus Math Project at Western Michigan Univ with funding from the NSF (NSF), Core-Plus Mathematics is written for all students to be successful in mathematics.

Multiple Teacher Editions listed on Teacher Edition Worksheet

Teacher Edition		
0078772478		$56.49
Core-Plus Mathematics: Contemporary Mathematics In Context, Course 1		
0078772486		$56.49
Core-Plus Mathematics: Contemporary Mathematics In Context, Course 1		
Essential Items		
Ancillary Items		
Free with Purchase items		
0078749247	Educational Strategies in Mathematics for Grades 6–12: DVD Video	$149.97
Free per School		
0078772494	Student Study Guide	$3.99
Free per Student		
0078777534	Teacher Classroom Resources	$189.00
Free Per Teacher		
0078779065	StudentWorks™ Plus DVD	$68.49
Free Per Teacher		
0078779073	TeacherWorks™ CD-ROM	$189.00
Free Per Teacher		
0078779081	ExamView® Assessment Suite CD-ROM	$129.99
Free Per Teacher		
0078906911	Mastering the KCCT	$3.99
Free per student, Print Option Only (1st year of adoption, subsequent years upon request)		
007890692X	Mastering the KCCT, Teacher Annotated Edition	$19.98
Free Per Teacher		

ISBN
0078615216

Contract Price
$63.00

Grade
9,10,11,12

TYPE
P1

Copyright
2008

Author
Coxford, et al

Edition
1

Content
HS Math

Readability
8.8 Dale Chall

Accessibility
Nimas

Research
www.glencoe.com

Provided by the Publisher

ISBN 0078615216	Publisher - **Glencoe/McGraw-Hill**		
Core-Plus Mathematics: Contemporary Mathematics In Context, Course 1			
Type - P1	Author - Coxford, et al		
Copyright - 2008	Edition - 1	Readability - 8.8 Dale Chall	
Course - HS Math		Grade(s) - 9,10,11,12	
Teacher Edition ISBN if applicable 0078772478			

Provided by the Publisher

Overall Recommendation: **Recommended as BASAL**

if this box is not checked, the evaluators have chosen NOT recommend as basal

Overall Strengths, Weaknesses, Comments:

The textbook is appropriate for the first course in an integrated math sequence. The teacher resources and additional student materials are excellent. As an integrated sequence, the concepts include some aspects of a traditional Algebra I course, some of a traditional Geometry course, and some of a traditional Algebra II course. When taken as a whole, the series covers all relevant material from the Program of Studies. Because of the integrated nature of the textbook series, this book may not be a good substitute for a traditional Algebra I textbook, unless the remainder of the series is used for future math classes.

NIMAC Accessibility	N	
Ancillary	No	
Free with Purchase	Yes	
Research	Yes	www.glencoe.com

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CRITERIA

This basal resource …

A. Encompasses KY Content Standards & Grade Level Expectations **Strong Evidence**

Text is designed to be used in an elective course outside the Program of Studies

1) Includes the 5 Big Ideas of mathematics to the following extent:

a) Number Properties and Operations	Strong Evidence
b) Measurement	Strong Evidence
c) Geometry	Strong Evidence
d) Data Analysis and Probability	Strong Evidence

e) Algebraic Thinking	Strong Evidence
2) Addresses content-specific enduring understandings from the related Program of Studies standards.	Strong Evidence
3) Addresses content-specific skills and concepts from the related Program of Studies standards.	Strong Evidence
4) Content addressed is current, relevant and non-trivial	Strong Evidence
5) Provides opportunities for critical thinking/reasoning	Strong Evidence

6) Strengths, Weaknesses, Comments:

- Specific strengths-which areas/concepts are covered exceptionally well?
- Specific weaknesses-which areas/concepts would likely require supplementing?

Textbook fully addresses Kentucky content standards.

B. Functionality & Suitability	**Strong Evidence**

1) Suitability **Strong Evidence**

- Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.

2) Content quality **Strong Evidence**

- Free from factual errors
- Content is presented conceptually when possible—more than a mere collection of facts
- Content included accurately represents the knowledge base of the discipline
- Theories/scientific models contained represent a broad consensus of the scientific community
- Interconnections among mathematical topics

3) Connections to Literacy **Strong Evidence**

- Employs a variety of reading levels and is grade/level appropriate
- Use of multiple representations-concrete, visual/spatial, graphs, charts, etc.
- Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.
- Student text provides opportunity to integrate reading and writing
- Uses vocabulary that is age and content appropriate
- Focuses on critical vocabulary vs. extensive lists
- Identifies key vocabulary through definitions in both text and glossary
- The text is engaging and facilitates learning
- Embedded activities enhance the understanding of the text
  Note: may apply to either student or teacher editions

4) Connections to Technology **Strong Evidence**

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data

- Embeds web links as a mathematics resource.

5) Support for Diverse Learners **Strong Evidence**

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties
  Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The textbook imbeds technology throughout. The teacher edition includes a full page of information for each page of the student book (rather than a margin). Extensions and differentiation are provided throughout the teacher edition.

C. Supports Inquiry and Skill Development **Strong Evidence**

1) Promotes Inquiry, research and Application of Learning Strong Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.
  Note: may apply to either teacher or student edition

2) Skill Development Strong Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving
  Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

The textbook encourages to students to explain and critique their reasoning. Material is developed in terms of patterns and reasoning, rather than on rote use of algorithms. Technology is embedded throughout.

D. Supports Best Practices of Teaching and Learning — Strong Evidence

1) Engages Students — Strong Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated
  Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction — Strong Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels
  Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

Connections to real-world applications and hands-on activities help to meet the needs of students of different ability and interest levels. Assessments reflect appropriate levels of depth of knowledge and include appropriate open-response items.

E. Has an Organization/ Format that Supports Learning and Teaching — Strong Evidence

1) Organizational Quality — Strong Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual

manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text) Strong Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:
- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Textbook is laid out very well with appropriate supporting illustrations. Most students will find the book to be readable.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Strong Evidence

1) Ancillary/Gratis Materials
- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

2) Strengths, Weaknesses, Comments:
- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

A wide variety of useful support materials is included. Of particular use are the student study guide and assessment materials, which contain hundreds of practice problems for students needing to develop a specific skill (e.g., solving linear equations algebraically).